S. E. HARBURGER.

TOY POUNDING BOX.

APPLICATION FILED MAY 7, 1918.

1,291,495.

Patented Jan. 14, 1919.

Fig 1

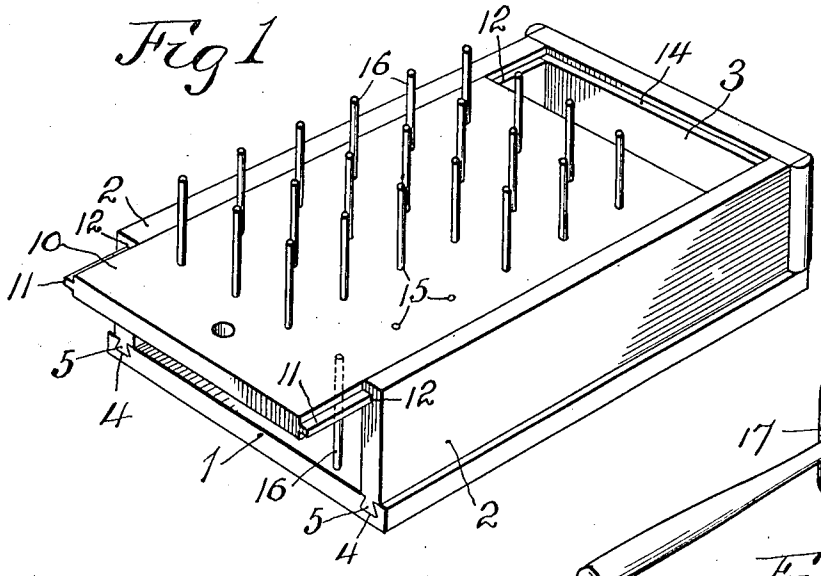


Fig 4

Fig 2

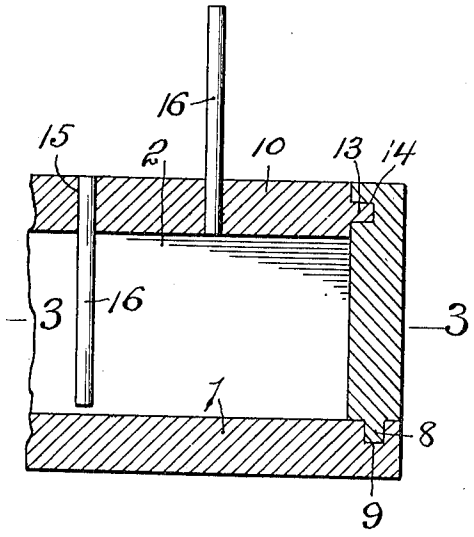
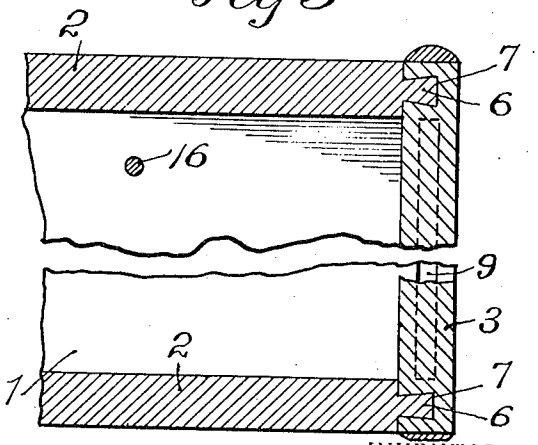


Fig 3



WITNESS:

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TOY POUNDING-BOX.

1,291,495. Specification of Letters Patent. Patented Jan. 14, 1919.

Application filed May 7, 1918. Serial No. 233,032.

To all whom it may concern:

Be it known that I, SAMUEL E. HARBURGER, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented a certain new and useful Improvement in Toy Pounding-Boxes, of which the following is a specification.

My invention relates to improvements in toy pounding boxes.

The object of my invention is to provide a toy pounding box which is simple in construction, cheap to manufacture and durable, and which will afford entertainment and instruction to children and also to older persons.

A further object of my invention is to provide a toy pounding box which, if desired, may be readily collapsed for storage or shipment, or as easily assembled from the knock-down into operative condition.

In the accompanying drawing, which illustrates the preferred embodiment of my invention,

Figure 1 is a perspective view of my improved toy pounding box, showing the pin board or cover partly removed from the box, some of the pins being shown driven down into the box chamber.

Fig. 2 is an enlarged longitudinal sectional view of a portion of the toy, the pin board being shown fully closed, two pins being shown, one before driving and the other after being driven.

Fig. 3 is a horizontal sectional view on the line 3—3 of Fig. 2, a portion of the box being broken out.

Fig. 4 is a perspective view of a mallet which may be employed for driving the pins and for assembling and disassembling the parts of the box.

Similar reference characters designate similar parts in the different views.

The box is provided preferably with an open top and one open and one closed end.

1 designates the bottom member of the box, 2 the side members thereof, and 3 the member which closes one end of the box.

The box is preferably collapsible and its parts held together without the use of nails, pins, screws or securing devices of a similar character.

The upper side of the bottom member 1 is provided with two parallel longitudinal dove-tail grooves 4 in which are respectively slidably and removably mounted two dove-tail tongues 5 provided respectively at the lower edges of the side members 2. Said side members are provided each at one end with a vertical dove-tail tongue 6 which is slidably and removably fitted in a vertical groove 7 with which the inner side of the end member 3 is provided, see Fig. 3.

The lower edge of the member 3 is provided with a tongue 8, which is removably fitted in a transverse groove 9 in the upper side of the bottom member 1, Figs. 2 and 3.

A pin board or cover 10 is provided at opposite longitudinal edges with tongues 11, which are respectively slidably and removably fitted in two longitudinal grooves 12, which are respectively provided on the inner sides of the side members 2, Fig. 1. The rear edge of the pin board 10 is also preferably provided with a transverse tongue 13, which is adapted to enter and fit a transverse groove 14 in the inner side of the end member 3. The tongue 13 thus serves to furnish an additional support for the board 10 during the hammering operation.

The board 10 is provided with one or more vertical holes 15 extending therethrough, in which are adapted to be respectively tightly slidably fitted pins 16, which are adapted to be driven by means of a mallet 17, Fig. 4, from the upstanding position occupied by the upwardly projecting pins to the depending position in the chamber of the box as shown in Figs. 1 and 2.

In the operation of my invention, the box members having been assembled as shown in Fig. 1, the board 10 is slipped into the grooves 12 and 14 with the pins 16 extending upwardly from the board. The mallet 17, or a suitable hammer, not shown, is then used to drive the pins through the board 10 to the depending position in which the pins extend into the box chamber.

After the pins have all been driven, the board 10 may be withdrawn through the open end of the box, the open end of the box permitting the pins to pass out, and its position reversed, so that the pins all extend upwardly from the board. The board is then replaced in the box, after which the pins may be again driven through the holes to the depending position. By reversing the board, the pounding operation may be carried on indefinitely.

With the use of my invention, skill in

hammering may be acquired by a child or older person, while at the same time harmless entertainment is afforded.

When the toy is not in use, the cover may be placed in the box with the pins extending into the box chamber in which may also be placed the mallet 17. In this condition of the parts, the toy is adapted for storage or shipment. If desired, the toy may be disassembled by withdrawing the board 10, after which the end member 3 may be withdrawn from engagement with the side members 2 and the bottom member 1. The side members 2 may then be slipped from the grooves 4. If desired, all of the pins 16 may be driven out of the board 10. The parts will now be in condition for being stored in compact condition.

I do not limit my invention to the structure shown and described, as modifications, within the scope of the appended claims, may be made without departing from the spirit of my invention.

What I claim is:—

1. In a toy of the kind described, a box having an open top, a board forming a cover therefor and reversible thereon and in either position covering said top and provided with holes extending therethrough, and pins adapted to be slightly fitted in and to be driven through said holes from either side of the board so as to project from the other side into the box and when so driven permitting the removal of the cover.

2. In a toy of the kind described, a box having an open side and end, a board forming a cover for the open side and reversible thereon and slidably removable and insertible over the open end and having holes therethrough, and pins adapted to be tightly fitted in and to be driven through said holes from either side of the board so as to project from the other side.

3. In a toy of the kind described, a box having an open side and end and guides extending between the ends, a board slidable and reversible on and removable from said guides and forming a cover for the open side, and pins adapted to be tightly fitted in and to be driven through said holes from either side of the board so as to project from the other side into the box and adapted to pass through the open end upon the insertion or removal of the board.

4. In a toy of the kind described, a collapsible box having an open top and end, and provided with a bottom having two longitudinal dovetail grooves, two sides detachably slidably fitted in said grooves and having respectively longitudinal guides, and an end having two dovetail grooves in which the two sides are respectively detachably slidably fitted, a cover comprising a board reversibly, and detachably slidably fitted in said guides and having holes therethrough, and pins adapted to be tightly fitted in and to be driven through said holes from either side of the board so as to project from the other side.

5. In a toy of the kind described, a box having an open top and end, each side of the box on its inner side having a longitudinal groove extending from the open end toward the opposite end, a board detachably slidably fitted and reversible in said grooves and having holes therethrough, and pins adapted to be tightly fitted in and to be driven through said holes from either side of the board so as to project from the other side.

6. In a toy of the kind described, a box having an open top and end and a closed end, each side of the box having on its inner side a groove extending from the open toward the closed end, the closed end having a transverse groove, a board detachably slidably fitted and reversible in the grooves in the sides and in the closed position fitting in the groove in the closed end and having holes extending therethrough, and pins adapted to be tightly fitted in and to be driven through said holes from either side of the board so as to project from the other side.

In testimony whereof I have signed my name to this specification.

SAMUEL E. HARBURGER.